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OM protein - protein search, using sw model

Run on: January 3, 2003, 13:03:35 ; Search time 3.26087 Seconds
(without alignments)
58.118 Million cell updates/sec

Title: US-09-801-784a-36

Perfect score: 50

Sequence: 1 PSAAVLTVP 10

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 117078 seqs, 18951520 residues

Total number of hits satisfying chosen parameters: 117078

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Minimum Match 0%

Maximum Match 100%

Database:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	50	100.0	10	US-09-801-784-36	Sequence 36, Appl
2	50	100.0	37	US-09-801-784-37	Sequence 37, Appl
3	42	84.0	165	US-09-839-894-33	Sequence 33, Appl
4	42	84.0	167	US-09-839-894-4	Sequence 4, Appl
5	39	78.0	8	US-09-801-784-32	Sequence 32, Appl
6	39	78.0	8	US-09-801-784-34	Sequence 34, Appl
7	36	72.0	8	US-09-801-784-33	Sequence 33, Appl
8	35	70.0	8	US-09-801-784-35	Sequence 35, Appl
9	35	70.0	133	US-09-839-894-39	Sequence 39, Appl
10	35	70.0	134	US-09-839-894-40	Sequence 40, Appl
11	35	70.0	142	US-09-839-894-38	Sequence 38, Appl
12	35	70.0	168	US-09-839-894-37	Sequence 37, Appl
13	35	70.0	170	US-09-839-894-35	Sequence 35, Appl
14	35	70.0	386	US-09-854-133-81	Sequence 81, Appl
15	35	70.0	517	US-09-738-973-81	Sequence 25, Appl
16	35	70.0	520	US-09-872-153-25	Sequence 21, Appl
17	35	70.0	520	US-09-872-153-21	Sequence 26, Appl
18	35	70.0	520	US-09-872-153-26	Sequence 74, Appl
19	35	70.0	963	US-09-801-368-74	

20	34	68.0	265	9	US-10-120-544A-8	Sequence 8, Appl
21	34	68.0	1316	9	US-10-120-544A-4	Sequence 4, Appl
22	34	68.0	1332	9	US-10-120-544A-18	Sequence 18, Appl
23	34	68.0	1386	9	US-10-120-544A-6	Sequence 6, Appl
24	34	68.0	2016	10	US-09-840-125-4	Sequence 4, Appl
25	33	66.0	335	10	US-09-765-272-52	Sequence 52, Appl
26	33	66.0	336	10	US-09-815-242-13172	Sequence 13172, A
27	33	66.0	336	10	US-09-923-656-2	Sequence 2, Appl
28	33	66.0	1077	9	US-10-121-911-1	Sequence 11, Appl
29	33	66.0	2585	10	US-09-905-129-11	Sequence 11, Appl
30	33	66.0	2586	10	US-09-905-129-14	Sequence 14, Appl
31	33	66.0	2586	10	US-09-991-630-11	Sequence 11, Appl
32	33	66.0	2587	10	US-09-991-630-14	Sequence 14, Appl
33	33	66.0	2587	10	US-09-905-129-16	Sequence 16, Appl
34	33	66.0	2587	10	US-09-991-630-16	Sequence 16, Appl
35	33	66.0	2589	10	US-09-991-630-24	Sequence 24, Appl
36	32	64.0	8	10	US-09-801-784-31	Sequence 31, Appl
37	32	64.0	39	10	US-09-764-877-1429	Sequence 1429, Ap
38	32	64.0	280	12	US-10-115-899-5	Sequence 5, Appl
39	32	64.0	280	12	US-10-115-899-8	Sequence 8, Appl
40	32	64.0	357	10	US-09-815-242-10840	Sequence 10840, A
41	32	64.0	392	10	US-09-073-009-138	Sequence 138, App
42	32	64.0	392	10	US-09-793-306-138	Sequence 138, App
43	31	62.0	51	10	US-09-864-161-44562	Sequence 44562, A
44	31	62.0	170	9	US-09-839-894-36	Sequence 36, Appl
45	31	62.0	233	9	US-10-112-540-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1

US-09-801-784-36
Sequence 36, Application US/09801784

Patent No. US20010014668A1

GENERAL INFORMATION:

APPLICANT: Cassels, Frederick J.

Attorney: Loomis-Price, Lawrence

TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF E. COLI CS4-CFA/I FAMILY PROTEINS

NUMBER OF SEQUENCES: 37

CORRESPONDENCE ADDRESS:

ADDRESS: Hendricks and Assoc.

STREET: P.O. Box 2509

CITY: Fairfax

STATE: VA

COUNTRY: US

ZIP: 22031

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/801,784

FILING DATE: 09-Mar-2001

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Hendricks, Glena M.

REGISTRATION NUMBER: 32,535

REFERENCE/DOCKET NUMBER: cas801

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 425-8405

TELEFAX: (703) 425-8406

INFORMATION FOR SEQ ID NO: 36:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: unknown

MOLECULE TYPE: peptide

HYPOTHETICAL: NO

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;
; ANTI SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/I
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-801-784-36

Query Match      100.0%; Score 50; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.00059;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10
Db 1 PSAVALTYSP 10

RESULT 2
US-09-801-784-37
; Sequence 37, Application US/09801784
; Patent No. US20010014668A1
; GENERAL INFORMATION:
; APPLICANT: Cassels, Frederick J.
; Loomis-Price, Lawrence
; TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
; E. COLI CS4-CFA/I FAMILY PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hendricks and Assoc.
; STREET: P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 09-Mar-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna M.
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: cas801
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-8405
; TELEFAX: (702) 425-8406
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; HYPOTHEetical: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: E. coli
; STRAIN: CS4-CFA/I
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-801-784-37

Query Match      100.0%; Score 50; DB 10; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.0025;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10
Db 27 PSAVALTYSP 36
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RESULT 3
US-09-839-894-33
; Sequence 33, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbaum, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; TITLE OF INVENTION: CSA OPERON
; FILE REFERENCE: UOFWD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-33

Query Match      84.0%; Score 42; DB 9; Length 165;
Best Local Similarity 80.0%; Pred. No. 0.42;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10
Db 49 PTAVELTYSP 58

RESULT 4
US-09-839-894-4
; Sequence 4, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbaum, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; TITLE OF INVENTION: CSA OPERON
; FILE REFERENCE: UOFWD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 167
; TYPE: PRT
; ORGANISM: E. coli
US-09-839-894-4

Query Match      84.0%; Score 42; DB 9; Length 167;
Best Local Similarity 80.0%; Pred. No. 0.42;
Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYSP 10
Db 49 PTAVELTYSP 58

RESULT 5
US-09-801-784-32
; Sequence 32, Application US/09801784
; Patent No. US20010014668A1
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GENERAL INFORMATION:
APPLICANT: Casseis, Frederick J.
Loomis-Price, Lawrence
TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
E. COLI CS4-CFA/I FAMILY PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hendricks and Assoc.
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: US
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/801,784
FILING DATE: 09-Mar-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna M.
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: cas801
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 425-8405
TELEFAX: (702) 425-8406
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: E. coli
STRAIN: CS4-CFA/I
SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-801-784-32
Query Match 78.0%; Score 39; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 9.8e+04;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 PSAAVATY 8
Db 1 PSAAVATY 8
RESULT 6
US-09-801-784-34
Sequence 34, Application US/09801784
Patent No. US20010014668A1
GENERAL INFORMATION:
APPLICANT: Casseis, Frederick J.
Loomis-Price, Lawrence
TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
E. COLI CS4-CFA/I FAMILY PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hendricks and Assoc.
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: US
ZIP: 22031
COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/801,784
FILING DATE: 09-Mar-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna M.
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: cas801
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 425-8405
TELEFAX: (702) 425-8406
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: E. coli
STRAIN: CS4-CFA/I
SEQUENCE DESCRIPTION: SEQ ID NO: 34:
US-09-801-784-34
Query Match 78.0%; Score 39; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 9.8e+04;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 AVALTISP 10
Db 1 AVALTISP 8
RESULT 7
US-09-801-784-33
Sequence 33, Application US/09801784
Patent No. US20010014668A1
GENERAL INFORMATION:
APPLICANT: Casseis, Frederick J.
Loomis-Price, Lawrence
TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
E. COLI CS4-CFA/I FAMILY PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hendricks and Assoc.
STREET: P.O. Box 2509
CITY: Fairfax
STATE: VA
COUNTRY: US
ZIP: 22031
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/801,784
FILING DATE: 09-Mar-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Glenna M.
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: cas801
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 425-8405
TELEFAX: (702) 425-8406

INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: E. coli
STRAIN: CS4-CFA/I
SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-801-784-33

Query Match 72.0%; Score 36; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 9.9e+04;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 SAVALTYS 9
| | | | |
Db 1 SAVALTYS 8

RESULT 8
US-09-801-784-35
; Sequence 35, Application US/09801784
; Patent No. US20010014668A1
; GENERAL INFORMATION:
; APPLICANT: Casmels, Frederick J.
; ADDRESSEE: Loomis-Price, Lawrence
; TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
; E. COLI CS4-CFA/I FAMILY PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESS: Hendricks and Assoc.
; STREET: P.O. Box 2509
; CITY: Fairfax
; STATE: VA
; COUNTRY: US
; ZIP: 22031
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/801,784
; FILING DATE: 09-Mar-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Hendricks, Glenna M.
; REGISTRATION NUMBER: 32,535
; REFERENCE/DOCKET NUMBER: Caa801
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 425-8405
; TELEFAX: (702) 425-8406
; INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: E. coli
STRAIN: CS4-CFA/I
SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-801-784-35

Query Match 70.0%; Score 35; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 9.8e+04;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 VALTYS 10
| | | | |
Db 1 VALTYS 7

RESULT 9
US-09-839-894-39
; Sequence 39, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbourn, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; TITLE OF INVENTION: CSA OPERON
; FILE REFERENCE: UOPMD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 133
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-39

Query Match 70.0%; Score 35; DB 9; Length 133;
Best Local Similarity 66.7%; Pred. No. 7.1;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYS 9
| : | | | |
Db 16 PSAVALTYS 24

RESULT 10
US-09-839-894-40
; Sequence 40, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Altbourn, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; TITLE OF INVENTION: CSA OPERON
; FILE REFERENCE: UOPMD.006A
; CURRENT APPLICATION NUMBER: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-40

Query Match 70.0%; Score 35; DB 9; Length 134;
Best Local Similarity 66.7%; Pred. No. 7.1;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PSAVALTYS 9
Db 16 PDSIALTYS 24

RESULT 11

US-09-839-894-38
; Sequence 38, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Alboum, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; FILE REFERENCE: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-38

Query Match 70.0%; Score 35; DB 9; Length 142;
Best Local Similarity 70.0%; Pred. No. 7.6;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSAVALTYP 10
Db 16 PTAVDLTYP 25

RESULT 12

US-09-839-894-37
; Sequence 37, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Alboum, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; FILE REFERENCE: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-37

Query Match 70.0%; Score 35; DB 9; Length 168;
Best Local Similarity 70.0%; Pred. No. 9.1;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSAVALTYP 10
Db 16 PTAVDLTYP 25

Db 49 PTAVDLTYP 58

RESULT 13

US-09-839-894-35
; Sequence 35, Application US/09839894
; Patent No. US20020176868A1
; GENERAL INFORMATION:
; APPLICANT: Alboum, Zeev
; APPLICANT: Barry, Eileen M.
; APPLICANT: Levine, Myron M.
; APPLICANT: University of Maryland
; TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF THE
; FILE REFERENCE: US/09/839,894
; CURRENT FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: 60/198,626
; PRIOR FILING DATE: 2000-04-20
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: ETEC Protein Homology Sequence
US-09-839-894-35

Query Match 70.0%; Score 35; DB 9; Length 170;
Best Local Similarity 100.0%; Pred. No. 9.2;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 VALTYP 10
Db 51 VALTYP 57

RESULT 14

US-09-854-133-81
; Sequence 81, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Monamath, Radoch
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 81
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-854-133-81

Query Match 70.0%; Score 35; DB 9; Length 386;
Best Local Similarity 70.0%; Pred. No. 23;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 PSAVALTYP 10
Db 308 PSAVALTYP 317

RESULT 15

US-09-738-973-81
; Sequence 81, Application US/09738973

```

; Patent No. US70020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Aljate, Paul A.
; APPLICANT: Sechrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121-475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 81
; LENGTH: 386
; TYPE: PRT
; ORGANISM: Homo sapien
US 09-738-973-81

```

```

Query Match 70.0%; Score 35; DB 10; Length 386;
Best Local Similarity 70.0%; Pred. No. 23;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 PSVAITYSP 10
   ||| : |||
Db 408 PSAKMITYTP 317

```

```

RESULT 16
US-09-872-153-75
; Sequence 25, Application US/09872153
; Patent No. US20020082207A1
; GENERAL INFORMATION:
; APPLICANT: Hirst, Shannon K.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
; FILE REFERENCE: 210121-531
; CURRENT APPLICATION NUMBER: US/09/872,153
; CURRENT FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 517
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-153-25

```

```

Query Match 70.0%; Score 35; DB 10; Length 517;
Best Local Similarity 60.0%; Pred. No. 31;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSVAITYSP 10
   ||| : |||
Db 468 PSAPFTYTP 477

```

```

RESULT 17
US-09-872-153-21
; Sequence 21, Application US/09872153
; Patent No. US20020082207A1
; GENERAL INFORMATION:
; APPLICANT: Hirst, Shannon K.

```

```

; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
; FILE REFERENCE: 210121-531
; CURRENT APPLICATION NUMBER: US/09/872,153
; CURRENT FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-153-21

```

```

Query Match 70.0%; Score 35; DB 10; Length 520;
Best Local Similarity 60.0%; Pred. No. 32;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSVAITYSP 10
   ||| : |||
Db 471 PSAPFTYTP 480

```

```

RESULT 18
US-09-872-153-26
; Sequence 26, Application US/09872153
; Patent No. US20020082207A1
; GENERAL INFORMATION:
; APPLICANT: Hirst, Shannon K.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
; FILE REFERENCE: 210121-531
; CURRENT APPLICATION NUMBER: US/09/872,153
; CURRENT FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-872-153-26

```

```

Query Match 70.0%; Score 35; DB 10; Length 520;
Best Local Similarity 60.0%; Pred. No. 32;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 PSVAITYSP 10
   ||| : |||
Db 471 PSAPFTYTP 480

```

```

RESULT 19
US-09-801-368-74
; Sequence 74, Application US/09801368
; Patent No. US20020128250A1
; GENERAL INFORMATION:
; APPLICANT: Busby, Robert
; APPLICANT: Cali, Brian
; APPLICANT: Hecht, Peter
; APPLICANT: Holtzman, Doug
; APPLICANT: Madden, Kevin
; APPLICANT: Maxon, Mary
; APPLICANT: Milne, Todd
; APPLICANT: No. US20020128250A1man, Thea
; APPLICANT: Royer, John
; APPLICANT: Salama, Sofie
; APPLICANT: Sherman, Amir
; APPLICANT: Silva, Jeff

```

```

; APPLICANT: Summers, Eric
; TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fungi
; FILE REFERENCE: 109272.147
; CURRENT APPLICATION NUMBER: US/09/801,368
; PRIOR FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 09/487,558
; PRIOR FILING DATE: 2000-01-19
; PRIOR APPLICATION NUMBER: US 60/160,587
; PRIOR FILING DATE: 1999-10-20
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 74
; LENGTH: 963
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
; US-09-801-368-74
```

```

Query Match          70.0%; Score 35; DB 10; Length 963;
Best Local Similarity 70.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 1 PSAVALTYSP 10
    ||| |||
DB 61 PSRAALRYSP 70
```

RESULT 20

```

US-10-120-544A-8
; Sequence 8, Application US/10120544A
; Publication No. US20020182693A1
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Masao
; APPLICANT: YOKOYAMA, Tomoko
; APPLICANT: AOYAGI, Moritichi
; APPLICANT: HASEGAWA, Makoto
; APPLICANT: EHARA, Gaku
; APPLICANT: KIMURA, Masaharu
; APPLICANT: NISHIHASHI, Hideji
; TITLE OF INVENTION: Polypeptide having larvae growth inhibiting or
; TITLE OF INVENTION: insecticidal effect on scarabaeidae insects and
; TITLE OF INVENTION: polynucleotide encoding the same
; FILE REFERENCE: OP1335
; CURRENT APPLICATION NUMBER: US/10/120,544A
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: JP 2001-115754
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: JP 2001-203463
; PRIOR FILING DATE: 2001-07-04
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Bacillus popilliae
; US-10-120-544A-8
```

```

Query Match          68.0%; Score 34; DB 9; Length 265;
Best Local Similarity 70.0%; Pred. No. 23;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 PSAVALTYSP 10
    ||| |||
DB 23 PSSNALTYSP 32
```

```

RESULT 21
US-10-120-544A-4
; Sequence 4, Application US/10120544A
; Publication No. US20020182693A1
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Masao
; APPLICANT: YOKOYAMA, Tomoko
; APPLICANT: AOYAGI, Moritichi
```

```

; APPLICANT: HASEGAWA, Makoto
; APPLICANT: EHARA, Gaku
; APPLICANT: KIMURA, Masaharu
; APPLICANT: NISHIHASHI, Hideji
; TITLE OF INVENTION: Polypeptide having larvae growth inhibiting or
; TITLE OF INVENTION: insecticidal effect on scarabaeidae insects and
; TITLE OF INVENTION: polynucleotide encoding the same
; FILE REFERENCE: OP1335
; CURRENT APPLICATION NUMBER: US/10/120,544A
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: JP 2001-115754
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: JP 2001-203463
; PRIOR FILING DATE: 2001-07-04
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1316
; TYPE: PRT
; ORGANISM: Bacillus popilliae
; US-10-120-544A-4
```

```

Query Match          66.0%; Score 34; DB 9; Length 1316;
Best Local Similarity 70.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 PSAVALTYSP 10
    ||| |||
DB 43 PSSNALTYSP 52
```

```

RESULT 22
US-10-120-544A-18
; Sequence 18, Application US/10120544A
; Publication No. US20020182693A1
; GENERAL INFORMATION:
; APPLICANT: TANAKA, Masao
; APPLICANT: YOKOYAMA, Tomoko
; APPLICANT: AOYAGI, Moritichi
; APPLICANT: HASEGAWA, Makoto
; APPLICANT: EHARA, Gaku
; APPLICANT: KIMURA, Masaharu
; APPLICANT: NISHIHASHI, Hideji
; TITLE OF INVENTION: Polypeptide having larvae growth inhibiting or
; TITLE OF INVENTION: insecticidal effect on scarabaeidae insects and
; TITLE OF INVENTION: polynucleotide encoding the same
; FILE REFERENCE: OP1335
; CURRENT APPLICATION NUMBER: US/10/120,544A
; CURRENT FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: JP 2001-115754
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: JP 2001-203463
; PRIOR FILING DATE: 2001-07-04
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 1332
; TYPE: PRT
; ORGANISM: Bacillus popilliae
; US-10-120-544A-18
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```

Query Match          68.0%; Score 34; DB 9; Length 1332;
Best Local Similarity 70.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 PSAVALTYSP 10
    ||| |||
DB 6 PSSNALTYSP 15
```

```

RESULT 23
US-10-120-544A-6
; Sequence 6, Application US/10120544A
```

Publication No. US20020182693A1
 GENERAL INFORMATION:
 APPLICANT: TANAKA, Masao
 APPLICANT: YUKOYAMA, Tomoko
 APPLICANT: AOYAGI, Moriochi
 APPLICANT: HASEGAWA, Makoto
 APPLICANT: EHARA, Gaku
 APPLICANT: KIMURA, Masaharu
 APPLICANT: NISHIHASHI, Hideji
 TITLE OF INVENTION: Polypeptide having larvae growth inhibiting or insecticidal effect on scarabaeidae insects and
 TITLE OF INVENTION: polynucleotide encoding the same
 FILE REFERENCE: G01345
 CURRENT APPLICATION NUMBER: US/10/120,544A
 CURRENT FILING DATE: 2002-04-12
 PRIOR APPLICATION NUMBER: JP 2001-115754
 PRIOR FILING DATE: 2001-04-13
 PRIOR APPLICATION NUMBER: JP 2001-203463
 PRIOR FILING DATE: 2001-07-04
 NUMBER OF SEQ ID NOS: 22
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 6
 LENGTH: 1486
 TYPE: PRT
 ORGANISM: Bacillus popilliae
 US-10-120-544A-6

Query Match 68.0%; Score 34; DB 9; Length 1386;
 Best Local Similarity 70.0%; Pred. No. 1.4e+02;
 Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 PSAVALTYSP 10
 ||| |||
 Db 43 PSSNALLYSP 52

RESULT 24

US 09 840-125-4
 Sequence 4, Application US/09840125
 Patent No. US20020061524A1

GENERAL INFORMATION:
 APPLICANT: Splawski, Igor
 APPLICANT: Keating, Mark T.
 TITLE OF INVENTION: ALTERATIONS IN THE LONG QT SYNDROME GENES KVLQT1 AND
 TITLE OF INVENTION: SCNSA AND METHODS FOR DETECTING SAME
 FILE REFERENCE: 2423-155
 CURRENT APPLICATION NUMBER: US/09/840,125
 CURRENT FILING DATE: 2001-04-24
 PRIOR APPLICATION NUMBER: 09/634,920
 PRIOR FILING DATE: 2000-08-09
 PRIOR APPLICATION NUMBER: 60/147,488
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 4
 LENGTH: 2016
 TYPE: PRT
 ORGANISM: Homo sapiens
 US 09 840 125-4

Query Match 68.0%; Score 34; DB 10; Length 2016;
 Best Local Similarity 60.0%; Pred. No. 2.2e+02;
 Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 PSAVALTYSP 10
 ||| |||
 Db 1002 PSSCIATPSP 1011

RESULT 25

US 09 765-272-52
 Sequence 52, Application US/09765272
 Patent No. US20020061545A1

GENERAL INFORMATION:
 APPLICANT: Choi et. al.
 TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
 NUMBER OF SEQUENCES: 452
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Avenue
 CITY: Rockville
 STATE: Maryland
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/765,272
 FILING DATE: 22-Jan-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/961,083
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Brookes, A. Anders
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PH340P2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 TELEFAX: (301) 309-8512
 INFORMATION FOR SEQ ID NO: 52:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 335 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 52:
 US-09-765-272-52

Query Match 66.0%; Score 33; DB 10; Length 335;
 Best Local Similarity 66.7%; Pred. No. 47;
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SAVALTYSP 10
 ||| |||
 Db 76 TAVAVTYGP 84

Search completed: January 3, 2003, 13:10:35
 Job time: 4.26087 secs